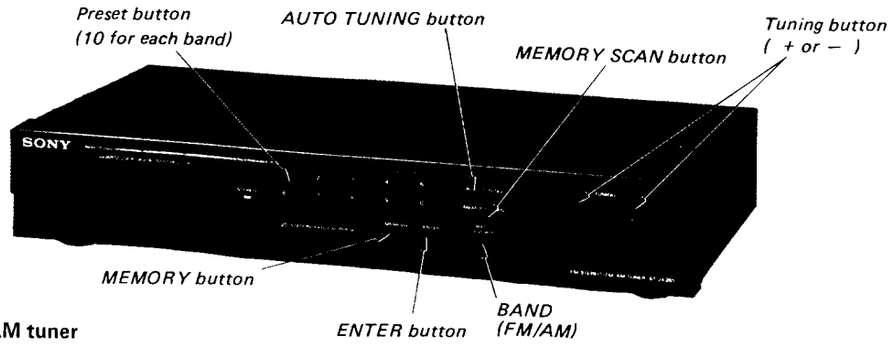
ST-JX285

SERVICE MANUAL

US Model
Canadian Model



This set is FM stereo/FM-AM tuner section in SEN-280.

SPECIFICATIONS

FM tuner section

Tuning range	87.5 – 108 MHz
Antenna terminals	75 ohms unbalanced
	300 ohms balanced
Intermediate frequency	
	10.7 MHz
Sensitivity	at 50 dB quieting
	22.1 dBf, 7 μV (mono)
	42.1 dBf, 70 μV (stereo)
Usable sensitivity	19.5 dBf, 5 μV (IHF)
Signal-to-noise ratio	(at 75 kHz deviation)
	80 dB (mono)
	75 dB (stereo)
Harmonic distortion	0.3% (mono)
	0.5% (stereo)
	at 1 kHz
Separation	40 dB at 1 kHz
Selectivity	55 dB at 400 kHz

AM tuner section

Tuning range	530 – 1,610 kHz
Antenna	AM loop antenna,
	External antenna terminal
Intermediate frequency	
	450 kHz
Usable sensitivity	AM loop antenna:
	500 μ V/m (1,000 kHz)
Signal-to-noise ratio	54 dB (50 mV/m)
Harmonic distortion	0.3% (50 mV/m, 400 Hz)
Selectivity	38 dB (10 kHz)

Dimensions	Approx. 430 × 80 × 250 mm (w/h/d)
	(17 × 3 1/4 × 9 7/8 inches)
	incl. projecting parts and controls
Weight	Approx. 1.9 kg (4 lb 4 oz) net

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

FM STEREO/FM-AM TUNER

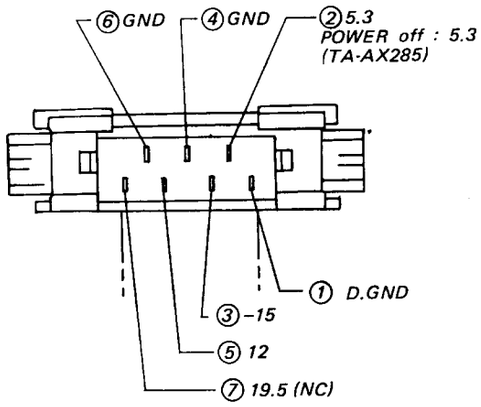
SONY

MICROFILM

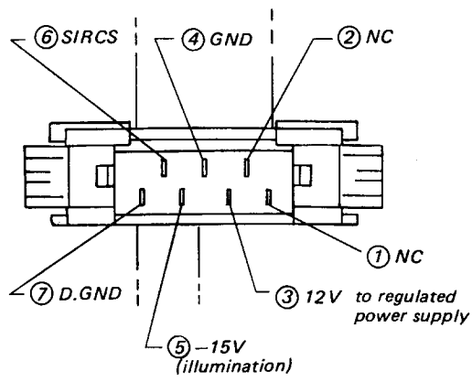
SERVICING NOTE

When this model alone operates, connect the unit to the regulated DC power supply, since power of this model is fed from TA-AX285.

[*7-pin DC output connector of TA-AX285*]



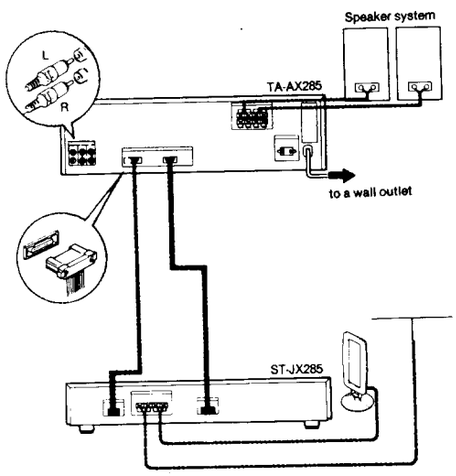
[*ST-JX285*]



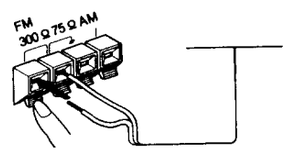
Connections

- The power cord should be connected last of all, first making sure that the SYSTEM POWER switch is turned off.
- The cable connectors should be fully inserted into the connectors. A loose connection may cause hum and noise.
- Keep the speaker cords, connecting cords and power cord away from the AM loop antenna and the tuner's antenna lead-in to avoid possible noise pickup.

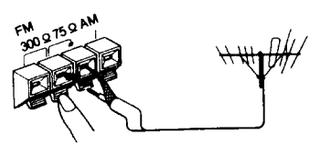
Conventional audio cord connection
Cord plugs and jacks are color coded. The red plugs and jacks are for the right channel (R) and white ones for the left channel (L).



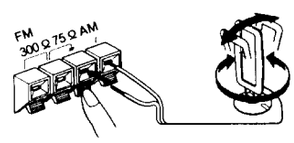
FM antenna
Suplied FM wire antenna
For normal reception.



For higher quality reception.
Outdoor FM antenna
(75-ohm coaxial cable)



AM loop antenna (supplied)



For better AM reception.
Extend a 6 to 15-meter insulated wire out of doors